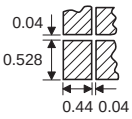
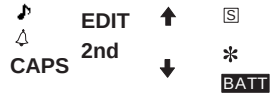
SHARP SERVICE MANUAL

CODE : 00ZYO520SM//E

REPLACEMENT MODEL

YO-520
ZQ-520
MODEL ZQ-540

(include PC soft)

DISPLAY SECTION		
	STANDARD FUNCTION	12 digits 1M
	ELEMENT : F-STN-LCD	PARTS NAME : 9788
	NUMERAL : Full Dot	DOT Pitch : 0.04 (mm)
		

LSI	Name : LI353402	YO / ZQ-520 : LHF08CH1 ZQ-540 : LHF16C17
	Type : CHIP (174pins)	TSOP (40pins)
POWER SUPPLY	AC : X	DC : O
• BATTERY TYPE Operating battery : LR03 x 2 pcs		
AC ADAPTOR		
RECHARGEABLE BATTERY		
POWER CONSUMPTION	0.5W	
AUTO POWER OFF	Approx.7minutes	
MEMORY PROTECT	Yes	
DIMENSIONS (mm)		
139.0(W) x 80.0(D) x 21.0(H) mm (When closed) 139.0(W) x 145.5(D) x 11.8(H) mm (When open)		
CALCULATIONS		
Four arithmetic calculations, Constant calculation, Power calculation, Chain calculation, Reciprocal calculation, % calculation, Add-on (discount) calculation		
Weight		
Approx.175g (0.39lb.)(Including batteries)		
Accessories		
Alkaline batteries LR03 x 2, Operation manual, Software CD-ROM, PC Link cable		

KEY SYSTEM	Rubber spring
OTHER SPECIFICATIONS	

Display : 120 x 40 dot matrix liquid crystal display
Applications : Calendar, Schedule, To Do Anniversary, Telephone, Memo, Expense, Expense Report, Clock, Calculation, Conversion
Memory capacity :
ZQ-520 : 1MB Flash memory User area approx. 896 KB
ZQ-540 : 2MB Flash memory User area approx. 1,920 KB
Application capacity :
ZQ-520 : 10,000 entries (Schedule 2,500, TEL 2,500, Memo 2,500, To Do 1,500, Expense 1,000) in total
ZQ-540 : 20,000 entries (Schedule 5,000, TEL 5,000, Memo 5,000, To Do 3,000, Expense 2,000) in total
These capacities assume the following average entry sizes.
Schedule : 22 characters / entry
Tel : 8 characters / entry in the name field 10 characters / entry in number field
Memo : 12 characters / entry in title field 18 characters / entry in description field
To Do: 30 characters / entry in description field
Expense : 6 characters / entry in amount field 11 characters / entry in memo field
* Maximum storage in each application : 5,000 entries
Maximum data size per entry : Approx. 2,000 bytes
Calculator digits : 12
Clock mode
Accuracy : –30 seconds / month (at 25 C / 77 F)
Display : Year, month, day, day of the week, hour, minute, AM / PM, city name, time zone
Clock system : 12-hour / 24-hour format (switchable) World clock function, daylight saving time / summer time display function, schedule alarm function
Peripherals and Data transfer interface:
Cable jack : 3-pin connector
Power consumption :
Operating temperature : 0 C ~ 40 C (32 F ~ 104 F)
Power supply : Battery : 3V ⎓ (DC) (Alkaline batteries LR03 x 2)
Battery life : Battery life may vary depending on usage.
- Approx. 1200 hours ; When data is continuously displayed without Backlight (at 25 C / 77 F).
- Approx. 300 hours ; When data is continuously displayed with Backlight, for 2 minutes per hourly use (at 25 C / 77 F).
- Approx. 270 hours ; When data is searched for 5 minutes, and displayed for 55 minutes per hourly use and Backlight is on for 2 minutes per hourly use (at 25 C / 77 F).

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

■ Power supply

General guidelines

The Organizer uses the following type of battery :

Use	Type	Size / Model	Qty.
General operation	Alkaline batteries	LR03 (L30)	2

1. Precautions

There are some extremely important points to remember when installing new batteries :

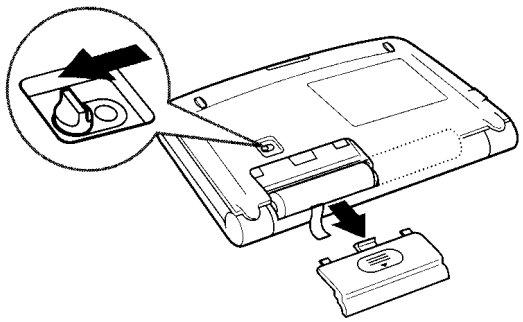
- Replace the two operating batteries at the same time with new batteries of the same type.
- Keep batteries out of the reach of children.
- Remove batteries from the unit when they become weak or when the unit will not be used for a long period of time. Leaving weak batteries in the unit may cause battery leakage and damage from corrosion.
- Do not dispose of batteries by fire as they may explode.

2. Replacing the operating batteries.

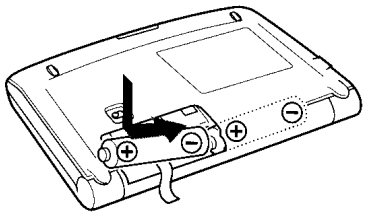
The Organizer detectes two low battery levels which are warning and fatal.When the batteries is in warning level, the **BATT** symbol appears at the display. In fatal level, the organizer will turn off automatically without indication.

If the **BATT** symbol still appears or nothing is shown, replace both of the operating batteries immediately.

1. Press OFF to turn off the Organizer.
2. Set the battery replacement switch on the bottom of the Organizer to **REPLACE BATTERIES**.
3. Slide off the operating batteries cover.



4. Remove the old batteries by pulling the ribbon tab.
5. Insert the two new batteries on top of the ribbon tab, taking care to position them correctly according to the plus (+) and minus (–) terminals, as shown below.



6. Replace the cover.
7. Set the battery replacement switch to **NORMAL OPERATION**.
8. Press ON to turn on the Organizer. Then set the clock to the correct time.

If nothing happens when you press ON :

- Setting the battery replacement switch to **REPLACE BATTERIES** shuts off power to the unit. Check that the battery replacement switch is set to **NORMAL OPERATION**.
- Repeat the above battery replacement procedure step by step.

★ The following are the settings and contents that may change after replacing the batteries.

- The alarm sound on and off
- The key touch tone on and off
- The DST
- The LCD contrast
- The CAPS on and off
- The memory of the calculator
- The first display contents when you press SMBL

■ Using the included Software CD-ROM

The CD-ROM supplied in this package includes the following software. With these applications, you can link your Organizer to your PC and increase the functionality of your Organizer.

PC Software

This software enables you to synchronize data on your PC with that in your Organizer.

Downloader for SHARP Electronic Organizer

This software lets you download a variety of contents for use with your Organizer.

These helpful software are easy to install. Place the CD-ROM in the CD-ROM drive on your PC, and the "SHARP Electronic Organizer Menu" window will appear. Follow the instructions on the screen to complete the installation. If the "SHARP Electronic Organizer Menu" does not appear, double click the My Computer icon on your PC, click your CD-ROM drive then proceed to install the software.
Before installing the software, read the software requirements.

1. PC Software Requirements

- Windows® 2000 Professional, Windows® 98 or Windows® 95
- 133MHz or higher Pentium-compatible CPU (Windows® 2000 Professional),
  75MHz or higher Pentium-compatible CPU (Windows® 98 or 95)
- 64MB RAM (Windows® 2000 Professional),
  24MB RAM (Windows® 98 or 95)
- 16MB free hard disk space
- VGA monitor or better
- CD-ROM drive double speed or higher
- One available serial port with D-sub 9-pin connector
- Microsoft® Mouse or compatible Pointing Device
- An Internet Service Provider is required for Internet and Web access on your PC.

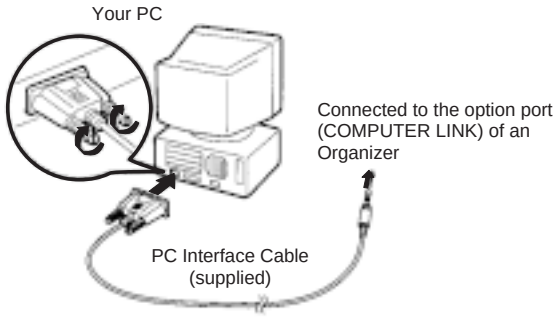
2. Installing PC Software

To install PC software, make sure Windows is running on your PC and you have the CD-ROM from your SHARP Organizer package.

1. Insert the CD-ROM in your CD-ROM drive to automatically start the installation program.
2. Click the [Install] button.
3. Follow the installation instructions that appear on the screen.

3. To setup your Organizer for use with PC Software

1. First turn off your PC and Organizer before connecting the supplied cable.
2. Connect the standard 9-pin connector of the supplied cable to one of the COM ports on your PC.
   - You will need to purchase an adaptor in order to use a COM port with a 25-pin connector.
3. Connect the supplied cable to the option port (COMPUTER LINK) of your Organizer.



4. Turn on your PC and Organizer.
5. Press [PC SYNC] on your Organizer.

- Your Organizer is now ready to exchange data.
- Press [ON] at any time to exit the PC-Link mode.
- The alarm setting is ignored. The alarm will not sound during data transfer.
- The Auto power off function is disabled in the PC-Link mode.
- If an error message appears while transferring data, press [ON] .

Packing form

Model	Form	SPEC	Country
YO-520	Clamshel	U1E	SEC
ZQ-520	Clamshel	Y12	SECL
		LA1	SUK
		LB1	SCA, SCNZ
		LNU	LAG
		LOO	SDB
	Universal	LCO	SEEG, SEF, SEB
		LLO	SEIS, SEES
		LMO	SRS, SRSSC, STCL, SMEF, Agent
		LDO	SRH
YO-540	Clamshel	U1E	SEC
ZQ-540	Clamshel	Y12	SECL
		LA1	SUK
		LB1	SCA, SCNZ
		LNO	LAG
		LOO	SDB
	Universal	LCO	SEEG, SEF, SEB
		LLO	SEIS, SEES
		LMO	SRS, SRSSC, STCL, SMEF, Agent
		LDO	SRH

Parts List

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	0GS6132400////	AE	N	D	Battery cover	
2	0GS9209630////	AG	N	D	Manual (ENGLISH + SPANISH)	[U1E]
	0GS9209670////	AG	N	D	Manual (ENGLISH)	[except U1E]
	0GS9209680////	AG	N	D	Manual (FRENCH)	[Y12, LCO]
	0GS9209730////	AG	N	D	Manual (SPANISH)	[LLO, LNU, LNO]
	0GS9209720////	AG	N	D	Manual (PORTUGUESE)	[LLO, LOO]
	0GS9209690////	AG	N	D	Manual (GERMAN)	[LCO]
	0GS9209710////	AG	N	D	Manual (ITALIAN)	[LLO]
	0GS9209700////	AG	N	D	Manual (NETHERLAND)	[LCO]
	0GS9209660////	AG	N	D	Manual (CHINESE)	[LMO, LDO]
	0GS9209650////	AG	N	D	Manual (ARABIC)	[LMO, LDO]
3	0GS9120590////	AL	N	D	CD-ROM for software	
4	0GS5420270////	AQ		D	Cable for PC-LINK	
5	0GS9432870////	AA		D	Chinese label	[LDO]

SHARP

COPYRIGHT © 2000 BY SHARP CORPORATION

All rights reserved.
Printed in Japan.
No part of this publication may be reproduced,
stored in a retrieval system, or transmitted.
In any form or by any means,
electronic, mechanical, photocopying, recording, or otherwise,
without prior written permission of the publisher.

SHARP CORPORATION
Communication Systems Group
Quality & Reliability Control Center
Higashi hiroshima, Hiroshima 739-0192, Japan

2000 May Printed in Japan (t)